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Role of Lecithin: Cholesterol Acyltransferase (LCAT) in Cholesterol Metabolism
in Health, Disease and During Smoking.

The investigators have finally been able to produce antibodies to human plasma lecithin cholesterol acyltransferase. Once they are able to establish the range of normal values of LCAT in human plasma or serum, they shall be able to interpret LCAT values in various lipid disorders with particular reference to atherosclerosis. They shall also be able to determine the effects of substrates, activators and inhibitors on the cholesterol esterifying activity of plasma which contains a known quantity of LCAT. Such information should be not only of important diagnostic value and possibly of therapeutic value, but also should increase the researchers' insight into lipid metabolism both in health and in lipid disorders of activity of plasma with particular reference to atherosclerosis.

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